

Lesson 4-1 Divisibility and Mental Math Homework

Directions: Use your **divisibility rules foldable** from page _____ of your IMNB to help you determine which numbers each given number is divisible by.

Number	Sum of Digits	Divisible by 2?	Divisible by 3?	Divisible by 4?	Divisible by 5?	Divisible by 6?	Divisible by 9?	Divisible by 10?
360	$3 + 6 + 0 = 9$	✓	✓	✓	✓	✓	✓	✓
475								
126								
3,460								
6,331								
945								
4,580								
8,000								

8. Find a digit that makes each number divisible by 3. There can be more than one answer:

a) 5,2__4

b) 89__

9. Mrs. Pike wants to redo lunch seating so that every table has the exact same number of students. If there are 159 students to be seated, can Ms. Pike make tables of:

3 students? _____ why or why not? _____

5 students? _____ why or why not? _____

6 students? _____ why or why not? _____